State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-13-83

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

CATERPILLAR, INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following 1995 model-year Caterpillar, Inc. diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

Engine Family	Engine	Displacement	Exhaust Emission Control
	<u>Liters</u>	(Cubic Inches)	Systems and Special Features
SCP403DZDABA	6.6	(403)	Turbocharger Oxidation Catalytic Converter Charge Air Cooler Smoke Puff Limiter

Engine models and codes are listed on attachments.

The following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour:

<u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.10

The following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour:

Engine Family	Hydrocarbons	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	<u>Particulates</u>
SCP403DZDABA	0.1	0.7	4.5	0.09

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 27 day of September, 1994.

R. B. Summerfield

Assistant Division Chief Mobile Source Division

Page 1 of 1 1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer	Caterpillar II	ic.		Engine Family	SCP403DZE	ABA		
Displacement	6.6	1		Liters	403	. ,	····	ic Inches
Maximum Rated Power:	300		HP@	2600	RPM		Engine Configu	
Ignition: Compression	X		_ Compi	ession with Glow	v Plug		Spark	
Fuel Type (s): Dedicated	d	Flex-Fuel		Dual-Fuel	Diesel	x	M100	M85
		CNG	LNG	LPG	Other (speci			
Diesel Cert Fuel: 13CCR	2282	40 CFF	R 86.131	3-90	•	· -	FR 86.1313-94	Х
Primary Intended Service	Class:	LHD		MHD X	HHD		Urban Bus	
Exhaust ECS (incl. MF.	I, TC, CAC)	CAC, OC,	SPL, To	c	-		-	
			¥ 7.					

Use abbreviations per SAE J1930 SEP91)

Engine Model (Eng. Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm³/stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
Α	230 @ 2600	102 (88.8)	1074091			(1)
В	250 @ 2600	109 (94.6)	1074091			(1)
C	275 @ 2450	125 (103.3)	1074091			(1)
D	300 @ 2600	131 (114.9)	1074091		***	(1)

(1) Catalytic Converter Part Nos.

1006968	1036060	1066503
1030632	1044819	1173161
1030633	1044821	1173162
1030634	1044823	1173265

ISSUE DATE	22 JUL 94
REVISION NUMBER	
REVISION DATE	